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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/770,720	02/03/2004	Jung Gon Kim	JSK-PT004	2289
3624	7590	07/07/2005	EXAMINER	
VOLPE AND KOENIG, P.C. UNITED PLAZA, SUITE 1600 30 SOUTH 17TH STREET PHILADELPHIA, PA 19103			NASRI, JAVAID H	
			ART UNIT	PAPER NUMBER
			2839	

DATE MAILED: 07/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

H-2

Office Action Summary	Application No.	Applicant(s)	
	10/770,720	KIM ET AL.	
	Examiner	Art Unit	
	Javaid Nasri	2839	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 April 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 4 and 5 is/are rejected.
- 7) ☒ Claim(s) 2 and 3 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 2/3/04, 4/25/05 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Allowable Subject Matter

1. The indicated allowability of claims is withdrawn in view of the newly discovered reference(s). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 4 and 5 are rejected under 35 U.S.C. 102(e) as being anticipated by Doorhy et al (RE38,519).

Doorhy et al discloses, **for claim 1**, a housing (12) which receives a modular plug to the a front surface of the housing and couples an insert (30) and a printed circuit board (50) to the rear surface of the housing; a back cover (42) which is detachably coupled to the rear surface of the housing and provided with a plurality of penetration grooves through which IDC terminals fixed to the printed circuit board are penetrated; and a connection cap (24) which is detachably coupled to the rear surface of the back cover and provided with terminal insertion grooves for inserting the plurality of IDC terminals protruded by penetrating the penetration grooves and a plurality of wire insertion grooves for inserting wires of a communication line, the terminal

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insertion grooves and the wire insertion grooves are orthogonal to each other (see figure 3, item 24). See note below.

For claim 4, the IDC terminals fixed to the printed circuit board are fixed zigzag so that the distance between the terminals becomes longer, and the penetration grooves of the penetration groove blocks and the terminal insertion grooves of the connection block are formed zigzag so as to correspond to the IDC terminals (see figure 3), **for claim 5**, a housing (12) which is provided with a plug insertion port formed on the front surface, an insert (30) which is coupled to a coupler formed on the rear surface of the housing; a printed circuit board (50) which is electrically connected to the insert and mounted to the rear surface of the housing; a plurality of IDC terminals which are electrically connected and fixed to the rear surface of the printed circuit board (a rear surface is a relative term); a back cover (10) which is detachably coupled to the rear surface of the housing and provided with a plurality of penetration grooves through which the IDC terminals are penetrated; and a connection cap (20) which is detachably coupled to the rear surface of the back cover and provided with terminal insertion grooves for inserting the plurality of IDC terminals protruded rearward through the IDC terminal penetration grooves and a plurality of wire insertion grooves for inserting wires, the terminal insertion grooves and the wire insertion grooves being orthogonal to each other (see figure 4). See note below.

Note: USPTO interprets claims, giving claims their "broadest reasonable interpretation."

(See, e.g., *In re Morris*, 127 F.3d 1048, 1054-55 (Fed. Cir. 1997)).

Allowable Subject Matter

4. Claims 2 and 3 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

REASONS FOR ALLOWANCE

5. The following is an examiner's statement of reasons for allowance:

The reason for allowance of the claims is the inclusion of the limitation,

- a) For claim 2, none of the prior art teaches or suggest, alone or in combination the back cover having coupling hooks which are protruded forward on both opposite side faces of the back cover main body and detachably coupled to the housing; and guide plates which are protruded rearward on the upper and lower surfaces of the back cover main body and provided on the inner side surface with guide grooves for guiding the connection cap, in combination with other limitations in the claim, which is not found in the prior art reference of record.
- b) For claim 3, none of the prior art teaches or suggest, alone or in combination, guide projection which are formed on the upper and lower surfaces of the connection cap main body and guided by guide grooves formed on the guide plates of the back cover; and detachable hooks which are integrally formed to the guide projections and detachably coupled to the back cover, in combination with other limitations in the claim, which is not found in the prior art reference of record.

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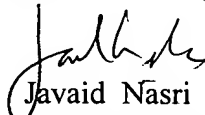
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javaid Nasri whose telephone number is 571 272 2095. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tulsidas C. Patel can be reached on 571 272 2800 ext 39. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Javaid Nasri
Primary Examiner
Art Unit 2839

JN
Jhn
July 5, 2005